COMPUTER SYSTEMS TECHNICIAN (CETN)

Support IT infrastructures for organizations large and small

With this hands-on program, you'll learn to troubleshoot, diagnose, and repair a wide range of digital networks, from the simple to the complex. Gain the in-depth skills you need to solve the computer networking and security needs of all sizes and types of organizations. We provide the software for your hardware and prepare you for a prized computer technician career.

Cambrian is an authorized Cisco Systems Networking Academy, Red Hat Academy, and Microsoft IT Academy. As a successful graduate, you can enter directly into the third year of Cambrian's Computer Systems Technology program.

Program highlights

- Train to install, manage, and troubleshoot networks and internetworks
- Courses cover programming, server administration, LANS, WANS, client service, and more
- Authorized Cisco Systems Networking Academy, Red Hat Academy, and Microsoft IT Academy, which allows you to challenge industry certifications
- Grads can enter directly into the third year of Cambrian's Computer Systems Technology program

Program of study for 2024-25 Academic Year

Semester 1

		Credits
CET 1022	Introduction to Networking	4
CMP 1117	Introduction to Programming	4
CET 1109	Windows Client for IT Professionals	4
ENG 1002	College Communications	3
CMP 1051	IT Essentials	3
One General Education Course. [1]		3
	Credits	**21**

Semester 2

CET 1023	Switching, Routing, and Wireless Essentials	4
CET 1019	Identity with Server Operating Systems	4
CET 1014	PowerShell	4
MTH 1235	Technical Math and Subnetting	3
IOT 1105	Relational Databases	4
CET 1025	Linux System Administration	4
	Credits	**23**

Semester 3

CET 1024	Enterprise Networks, Security, and Automation	4
CET 1018	Networking with Server Operating Systems	4
CET 1112	REST API integration with Python	3
CET 1034	Advanced Linux Administration	3
CET 1106	Private and Public Cloud Infrastructures	4
One General Education Course. [1]		3
	Credits	**21**

Semester 4

CET 1000	Enterprise Security	4
ENG 1754	Technical Communication	3
CET 1017	Administrating Windows Server Hybrid Core Infrastructure	4
CET 2415	Applied Project Management	3
ISP 3026	Spreadsheets for Business	3
CET 1036	OpenStack Administration	3
One General Education Course. [1]		3
	Credits	**23**
	Total Credits	**88**

[1] For more information regarding General Education courses, click here (https://cambriancollege.ca/general-electives/).

Admission requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C) or (U)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Additional admissions requirements

Recommendations
- Computer competency in relevant software

Program delivery

2024-2025
Fall term start

SEMESTER 1: Fall 2024
SEMESTER 2: Winter 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026

Winter term start

SEMESTER 1: Winter 2025
SEMESTER 2: Spring 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026

Specific program pathways

Graduates can enter directly into the:

- Third year of Cambrian's Computer Systems Technology (https://cambriancollege.ca/programs/computer-systems-technology/) program
- Cybersecurity (https://cambriancollege.ca/programs/cybersecurity/) graduate certificate program
- IT Business Analysis (https://cambriancollege.ca/programs/it-business-analysis/) graduate certificate program
- Project Managemen (https://cambriancollege.ca/programs/project-management/)t graduate certificate program

- Organization Managemen (https://cambriancollege.ca/programs/organization-management/)t graduate certificate program

College or university degree opportunities

If you are a graduate of this program, you may continue your studies at a college or university and you may receive credit(s) for your prior college education. Refer to Cambrian's college and university agreement (https://cambriancollege.ca/supports-services/articulation-agreements/) details for further information.

Employment Opportunities

Graduates are prepared for employment opportunities as:

- Network Technician
- Network Administrator
- Helpdesk Support
- End-user Support

Contacts

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INTERNATIONAL ADMISSIONS

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